

FIGURE 2A

12

A a all and are as at B be but by
CD do EF for from G go H have
he I I if in is it JKL M me my
N not no O of on or out PQR
S say she so T that the they this to
U up V W was we which who with
X Y you Z 1234567890

FIGURE 2B

12

A a act add all am and are as at B be but by C company control D dis do E end except

F for from G go H have he I I if in into is it J K L M me my

N not no O of on or out P Q R remember S say she so

T that the they to U un up V W was we which who will with X Y you Z

1 2 3 4 5 6 7 8 9 0

FIGURE 3A 12

Adlnrst Beilouy Ceiom
pnv r Deio Envx Feilor
Geilor Heiou I fntvst
JK Leio Meioy Neioo
Ofnru Peilors Remio
Sehilotuy Tehhhioru
Unp Vi Wehhio XYZ
1234567890

FIGURE 3B

Cehilo[mp ntv] ruy B be ilor but by A c d f g all m and are as at Hheiouy Gehilngoruy Deidoruy Ednvxy Feil for from u M me i o u my N e i not no u Leiou I if in [tv] is it J K Re[m] hiou Pehilorsuy Q O of on or out. Veio Scéshe i I so pqt uwy Te that the they i to ruy Unups XYZ 1 2 3 0 7 8 W we which who i o r

FIGURE 3C

A a act add after again all am and are as at away B back be big black both bring but by

C can certain child city close could [come company consider control convert] cry cut

D day develop differ do drive during dynamic E each educate end even except eye

F far few find fly for from full

G game get ghost give go great gun gyro

H have he high how human hydro

I I if in [into invent] is it J just K

know L last left like long luck lyric

M may me might more must my

N nation new night not no number '

O of on one only or our out

P part people phone place pick point program put Q question

R rather real [remember] rhythm right room run rye

S say school see she since slow small snake so space square still such switch system

T take tell that the they time to try turn two type U un up use V value very view voice

· W was we which who with would write X x-ray Y you Z zero 1234567890

FIGURE 4

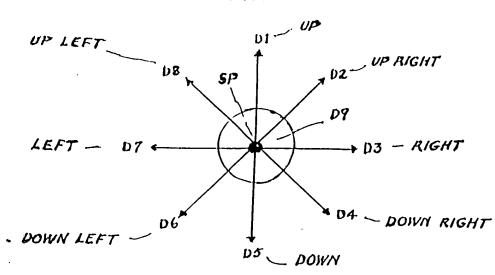
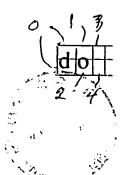


FIGURE 5A

FIGURE 5B

FIGURE 5C

1 110





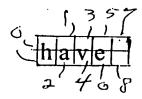


FIGURE 6

Direction.	D1	D2	D3	D4	D5	D6	D7	D8	D0
SLS	Cap	CL	V1	V2	Ltr	ltrCap	LtrSx	CapSx	
SLS or SDEA	abc/a	def/e	ghi/i	jkl/l	mno/o	pqr/r:	stu/u	vwxyz/y	
VFW	s	ed	ing	er	est	ly	ness	Sx	
Hop (VFW)	٠,	,,	·.,· .	٠.,	'?'	'!':	Cpd	Sx	Ср
Digit	digit	Ch1	Ch2	1 st	w 1 st	teen	ty	Space	
CW or SD	b	С	d	f	g	h	j	k	
CCW or EA	m	n	p	q	s	t	vw	xz	

FIGURE 7A

	D1	D2	D3	D4	D5	D6	D7	Code
be		been	being					20en
do	does	did	doing	doer	done			0es1id60ne
go	goes	went	going		gone			0es22went60ne
have	has	had	having					2s2d
he	his	him	himself					1is1im1imself
if	if a/an	if the	if that					170
it	its	itself						20self
say	says	said	saying					21id
she	her	hers	herself					3her3hers3herself
they	their	theirs	them	s-es				lirlirs1m1ms-ves
we	our	ours	us	o-es				2our2ours2us2o-s
with	within	without						0in0out
who	whose	whom	whoever					0se0m0ever
you	your	yours	yourself	r-es				0r0rs0rself0rs-es

FIGURE 7B

	D1	D2	D3	D4	D5	D6	D7	Code
that	than	this	those					175
the	then	there	these					176
which	what	when	where					177

FIGURE 7C

	D1	D2	D3	D4	D5	D6	D7	D8	Code
one	1	,	!	1 st	first	eleven	hundred	Space	181
two	2	_	@	2 nd	second	twelve	twenty	Tab	182
three	3		#	3 rd	third	thirteen	thirty	Ret	183
four	4		\$	4 th	fourth	fourteen	forty		184
five	5		%	5 th	fifth	fifteen	fifty		185
six	6	1	^	6 th	sixth	sixteen	sixty		186
seve n	7	١	&	7 th	seventh	seventeen	seventy		187
eight	8		0	8 th	eighth	eighteen	eighty		188
nine	9	{	(9 th	nineth	nineteen	ninety		189
ten	0	})	10 th	tenth]	190

FIGURE 8A

12

AL	Ble	Ce E	Ed e	e e	n er	ess	est
H	boo	lc	ing	ion	ish	ism	ist
ity	ive	ize	Les	s lik	e ly	M	ent
N	nce	ness ty V	nt	Or	our	S	ship
Te	en th	ty V	Vard	Υ			
<u> </u>	٠.						

Ace age ail ain ale all and ard are atch ate Ead eal ear ell end loe ide ight ile ill ind ine ite
Old ole one ore ose ound Ure

FIGURE 8B

D1 D2 D3 D4 D5 D6 D7 D8 s ly al ally ic lty ness y

FIGURE 7D

	D1	D2	D3	D4	D5	D6	D7	Code
Stem	s	ed	ing	er	est	ly	ness	128 /0
				or				130
					ion	ive		132
				or	ion	ive		134
					ment	mental		136
				or	ment	mental		138
					nce	nt		140
1861				or	nce	nt		142
					ncy	nt		144
				or	ncy	nt		146
					al	ally		150
				ic	ical	ically		152
					ful	fully		154
···			ful	fully	less	lessly		156
•					ous	ously		158
					ce	су		160
· · · · · · · · · · · · · · · · · · ·					ish	hood		162
					erly	ern	ward	164
<u>-</u>			·		ism	ist	ize	166
······································					teen	th	ty	168
Preps	a/an	the	that	this				170
Nouns	is/are	was/were	has/have	had	having			172
any,	how/	one	thing	time	way	where		174

FIGURE 8C

face lace mace pace race cage gage page rage sage wage bail fail hail mail nail pail sail tail wail vail gain lain main pain rain wain vain bale dale gale hale male pale sale tale vale ball call fall gall hall mall pall tall wall band hand land sand wand bard card hard lard pard ward bare care dare fare hare mare rate ware batch catch hatch latch match patch watch hate date fate gate hate late mate rate sate bead dead head lead mead read deal heal meal peal real seal teal weal veal zeal bear dear fear gear hear lear near pear rear sear tear wear bell dell fell hell jell sell tell well bend fend lend mend pend rend send tend vend dice lice mice nice rice vice bide hide ride side tide wide bight fight light might right sight tight bile file mile pile rile tile wile vile bill dill fill gill hill kill mill pill till will bind find kind mind wind dine fine line mine nine pine sine wine vine bite cite kite lite mite rite site bold cold fold gold hold mold sold told bone cone done gone lone none sone tone bore core fore gore lore more pore sore tore wore dose hose lose nose pose rose bound found hound mound pound round sound wound cure jure lure pure sure



RE 9B /Z 1

A back bad bag balance ball ban bank bar base basic basis bat bay

E bed beauty because become before beg begin behave behind believe below beside best bet better between beyond

I bid big bill bin bird bit bitter

L black block blond blow blue

O board body book both box boy

R break bring broad brown

U bug build burn bus business X Z

BA B babe baby baboon C bacteria
D badge F baffle G bagel baggage
I bail bait L balance bald ball balloon
ballot M bamboo N band bandit
bang bankrupt banner banquet banter
R barb barbeque barber bare bargin
barge barley bark barn baron barrel
barren barrier barter S baseball bash
basket bass bassinet basson bastion
T batch bath baton batten batter battle
U bauble W bawd bawl Y bay bayonet

FIGURE 9C

BAB baby C back bacteria D bad
badge F baffle G bag baggage
I bail bait L balance bald ball ballot
M bamboo N ban band bandit bang
bank bankrupt banner banquet banter
R bar barbeque barber bare bargin
barge barley bark barn baron barrel
S base baseball bash basic basis
basket bass bassinet bassoon bastion
T bat batch bath baton batter battle
U bauble W bawd bawl Y bay bayonet



back backs backed backing backer

BA B babble babe baby baboon

E baccalaureate baccarat bacchanal bachelor bacillus backgammon backlog bacon bacteria

bad bade badge badminton

baffle

G bag bagel baggage baggy bagpipe

bail bailiff bailiwick bait

K bake

 $\overline{\underline{L}}$ balance balcony bald bale balk ball ballad ballast ballet ballistic balloon ballot ballyhoo balm baloney balsa balsam

M bamboo

 \overline{N} ban banal banana band bandage bandbox bandit bandy bane bang bangle banish banister banjo bank bankrupt banner banquet banshee bantam banter banzai

P baptism Baptist baptize

 $\overline{\underline{\mathbf{R}}}$ bar barb barbarian barbaric barbeque barbell barber barbiturate bard bare bargain barge baritone barium barley bark barn barnacle barometer baron barroque barracks barracuda barrage barrel barren barricade barrier barrister barrow bartender barter

S base baseball bash basic basin basis bask basket bass bassinet basso

bassoon bastard bast baste bastille bastion

bat batch bath bathe bathos baton battalion batter battery battle U bauble

W bawd bawdy bawl Y bay bayonet bayou

Z bazaar bazooka

FIGURE 11A

BAXXBXC babble 0 babe 0 baby 0 baboon 0 CX baccalaure at e 0 baccar at 0 bacchan al 0 bachelo access and a comparison of the comparisonr0bacillus0backgammon0backlog0bacon0bacteria0DXbad0bade0badge0badminton0FX baffle 0 GX bag 0 bag el 0 bag gag e 0 bag gy 0 bag pipe 0 IX bail 0 bail if f 0 bail i wick 0 bait 0 KX bake 0 baffle 0 GX bag 0 bag el 0 bag gag e 0 bag gy 0 bag pipe 0 IX bail 0 bail i f f 0 bail i wick 0 bait 0 KX bake 0 baffle 0 GX bag 0 bag el 0 bag gag e 0 bag gy 0 bag pipe 0 IX bail 0 bail i f 0 bail i wick 0 bait 0 KX bake 0 bakLXbalance0balcony0bald0bale0balk0ball0ballad0ballast0ballet0ballistic0balloon0ballot 0 bally hoo 0 balm 0 baloney 0 balsa 0 balsam MX bamboo 0 NX ban 0 ban al 0 ban an a 0 ban d0 banage 0 'b and box 0 bandit 0 bandy 0 bane 0 bang 0 bang 1 e 0 banish 0 banister 0 banjo 0 bank 0 bank rupt 1 e 0 bang 0 bank 00banner0banquet0banshee0bantam0banter0banzai0PXbaptism0baptist0baptize0RXbar0 barb0barbarian0barbaric0barbeque0barbell0barber0barbiturate0bard0bare0bargain0barg e0baritone0barium0barley0bark0barn0barnacle0barometer0baron0baroque0barracks0ba rracuda 0 barrage 0 barrel 0 barrier 0 barri $X base 0 base ba\check{l} 10 bash 0 basic 0 basin 0 basis \textbf{0} bask 0 bask 0 bass 0 bass$ a stard 0 bast 0 bast e 0 bast ille 0 bast ion 0 TX bat 0 batch 0 bath 0 bath 0 bath os 0 batton 0 battalion 0 batten 0 batter 0 batter 0 battle 0 UX bauble 0 WX bawd 0 bawd 0 bawd) YX bay 0 bay on et 0 bay ou atten 0 batter 0 bat0ZXbazaar0bazooka0BEXXFXbefore0

FIGURE 11B

BAXXBXble0e0y0boon0CXhelor0con0cterialDX0ge0minton0FXfle0GX0gage0pipe0IXl0liff0liwick0t0KXe0LXance0cony0d0e0k0l0lad0last0let0istic0loon0lot0lyhoo0m0oney0sa0sam0MXboo0NX0d0dage0dbox0dit0dy0g0gle0ish0ister1k0rupt0ner1quet0tam0ter1PXtism0ist0tizeRX0b0barian0baric1beque0ber1bell0ber1biturate0d0e0gain0ge0itone0ium0ley0k0n0nacle0ometer1on0oque0racks0racuda0rage0rel1ren0ricade0rier0rister1row0tender1ter1SXe0eball0sh0ic1in1is1k0ket1s0sinet1so0soon0tard0te0t0tille0tionTX0ch0h0he0hos0on0talion0ten1ter1teryotle0UXuble0WXd0dy0l0YX0onet1ou0ZXaar0ooka0BEXXFXore0

FIGURE 12A

BAB B babble E babe Y baby
O baboon
BAC C baccalaureate baccarat
bacchanal H bachelor I bacillus
K backgammon backlog O bacon
T bacteria

FIGURE 12B

BAS E base baseball H bash
I basic basin basis K bask
basket S bass bassinet basso
bassoon T bastardy bast baste
bastille bastion
BAT bat C batch H bath bathe
bathos O baton T battalion batten
batter battery battle
BAU B bauble D baud X bauxite

